Electrolyser
AEM Cluster 70

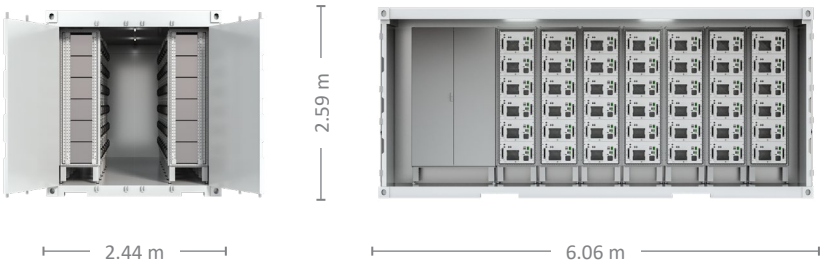
Enapter

The Enapter AEM Cluster 70 is a fully assembled, ready to run and packaged electrolyser system in a 20' container. It supplies hydrogen with a rate of 36Nm³/hr at ~99.9% purity. Site works are limited to the connection of vent and purge lines, water supply, hydrogen outlet piping as well as grid connections.

KEY FEATURES

- Extremely high availability and built-in redundancy
- Automated & remote operation with Enapter's Energy Management System
- Low requirements for input water purity
- Ideal for on-site hydrogen production
- Safe operation
- Scalable and modular from 10 to 36 Nm³/hr
- Quick and easy installation
- Low maintenance requirements

Specifications



Nominal power consumption	200 kW
Standard grid connection	3 × 400 VAC three phase grid
Nominal standby power	12 kW
Hydrogen production	36 Nm^3/hr 77 kg/day
Dynamic hydrogen production range	1 - 100%
Hydrogen output purity	99.9% in molar fraction
Output pressure	0 - 35 barg
Water requirements	Clean tap water, internal purification included
Water input pressure	1 - 4 barg
Average water quantity	~ 55 L/hr ~ 1.3 m^3/day
Cooling system	Liquid-cooling
External dimensions	20’ containter W × D × H in m = 2.44 × 6.06 × 2.59
Control and monitoring	Fully automatic with Enapter’s EMS, Modbus